

## **Exhibit 11**

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PHARMACEUTICAL CORP., VALEANT  
PHARMACEUTICALS NORTH AMERICA LLC,  
VALEANT PHARMACEUTICALS INTERNATIONAL,  
and VALEANT PHARMACEUTICALS INTERNATIONAL, INC.

**UNITED STATES DISTRICT COURT  
CENTRAL DISTRICT OF CALIFORNIA**

ALLERGAN USA, INC., and  
ALLERGAN INDUSTRIE, SAS,

Plaintiffs,

v.

MEDICIS AESTHETICS, INC., MEDICIS  
PHARMACEUTICAL CORP., VALEANT  
PHARMACEUTICALS NORTH AMERICA LLC,  
VALEANT PHARMACEUTICALS  
INTERNATIONAL, and VALEANT  
PHARMACEUTICALS INTERNATIONAL, INC.

Defendants.

Case No. 8:13-cv-01436 AG (JPRx)

**DEFENDANTS' INVALIDITY  
CONTENTIONS**

1 ether (BDDE), divinylsulfone (DVS), 1,2,7,8-diepoxyoctane (DEO) and p-phenylene  
 2 bis(ethyl)carbodiimide (BCDI), had been used in approved soft tissue fillers for increased stability  
 3 and durability. Uncrosslinked HA had been commonly used together with the crosslinked HA to  
 4 reduce the extrusion force and ease the injection. More specifically, wrinkle fillers containing HA-  
 5 BDDE and uncrosslinked HA had been disclosed, such as Juvederm<sup>®</sup> Ultra (J24HV) and Juvederm<sup>®</sup>  
 6 Ultra Plus (J30HV) (*Lupo*), which contains HA-BDDE and at least 10% uncrosslinked or free HA  
 7 (see *Beasley*, Table 1); the two phase filler composition described in Example 2 of *Debacker*, which  
 8 contains HA-BDDE and 33% uncrosslinked HA; and the composition disclosed in *Reinmuller II*.  
 9 The crosslinked HA can have a mixture of high- and low-molecular weight HA (see *Lebreton*).  
 10

11 Pain is a barrier to cosmetic treatment. Lidocaine had been included in various filler  
 12 products to reduce the pain. Dermal fillers, such as Puragen<sup>®</sup> Plus, Elevess<sup>®</sup> and Prevelle<sup>®</sup> Silk,  
 13 containing lidocaine and HA crosslinked with each of three different crosslinkers, DEO, BCDI and  
 14 DVS, respectively, had been approved and reported prior to August 2008 (*Kinney*, *Eleveess*<sup>TM</sup>  
 15 *Summary*, and *Prevelle*<sup>®</sup> *Announcement*). Puragen<sup>®</sup> Plus and Prevelle<sup>®</sup> Silk also contain  
 16 uncrosslinked HA, i.e., 6% and 2%, respectively. Preclinical and clinical studies had demonstrated  
 17 that dermal fillers containing crosslinked HA and lidocaine were stable, effective and durable (see,  
 18 e.g., *Toth* and *Hanke*). Indeed, a heat sterilized injectable gel containing a crosslinked HA and  
 19 lidocaine was described in a PCT application filed as early as Dec 24, 1992 (*Reinmuller I*, Example  
 20 1).  
 21

22 As a medical device to be injected into a human body, an HA filler must be sterile.  
 23 Heat sterilization or autoclaving had been used to sterilize almost any type of HA preparations  
 24 before 2008, crosslinked and/or uncrosslinked HA, with or without lidocaine (*Drizen*, 7:19-25;  
 25 *Piron*, 5: 19-24; *Lebreton*, Examples 3-4; and *Debacker*, page 14, lines 22-24 and Example 2;  
 26 *Sadozai*, Example 12; and *Reinmuller I*, Example 1). Although crosslinked or uncrosslinked HA  
 27  
 28



1 may be subject to degradation during autoclaving, the sterilized HA fillers can remain stable for  
 2 months or even years (*Drizen*, 7:44-46; *Lowry*, p1244).

3 The prior art reported that lidocaine stabilized HA. For example, *Sadozai*, a prior art  
 4 reference disclosed in the priority documents (e.g., U.S. Prov. App. No. 61/085,956 filed Aug. 4,  
 5 2008, 2:25 to 3:9), but omitted in the '475 patent, specifically teaches that "crosslinked HA with  
 6 lidocaine can have good biostability, and can in some cases have a synergistic effect, increasing G'  
 7 (the storage modulus)" (*Sadozai*, Example 21). This is consistent with the prior art teaching that  
 8 adding free radical scavenger to an HA hydrogel decreases viscosity loss due to heat and/or storage  
 9 (*Ji*, paras. [0061]-[0064]); lidocaine is a potent hydroxyl radical scavenger and singlet oxygen  
 10 quencher (*Das*); and lidocaine was shown to inhibit HA degradation by the mechanism of hydroxyl  
 11 radical (*Lindvall*). More specifically, dermal fillers containing lidocaine and a mixture of HA-  
 12 BDDE and at least 10% uncrosslinked HA (such as some Juvederm® products) had been disclosed in  
 13 multiple prior art references before August 4, 2008 (see, e.g., *Levy*, *Reinmuller II*, *Wortzman*, and  
 14 *Hunter*).  
 15

16  
 17 Accordingly, as of August 4, 2008, the subject matter claimed in the asserted claims  
 18 of the '475 and '795 patents was well known and obvious to a person of ordinary skill in the art.

19 Defendants reserve the right to modify these statements and charts by adding  
 20 additional prior art references to the extent such modification is appropriate in light of any additional  
 21 information gained through ongoing investigations or through discovery or in light of amendments  
 22 to Allergan's infringement contentions or other arguments made or positions taken by Allergan. In  
 23 particular, no claim chart has been provided for Prevelle Silk, Eleveess, or Puragen Plus as additional  
 24 discovery is needed on the composition of those products. Prevelle Silk, Eleveess, or Puragen Plus  
 25 are nevertheless identified as prior art in this document because they are prior art stable, sterile  
 26 crosslinked hyaluronic acid dermal fillers containing lidocaine.  
 27

28 **B. The Asserted Claims of the '475 and '795 Patents are Invalid under 35**